

Stop: NEW Patent Application  
 COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 ALEXANDRIA, VA 22313-1450

Transmitted herewith for filing is the nonprovisional/Utility patent application of:

Inventor(s):	Douglas C. Hittle, Ph.D, and Amy Sarah Lee
For:	Tile Structures having Phase Change Material (PCM) Component for use in Flooring and Ceilings

This application claims benefit under 35 U.S.C. 119(e) and 37 C.F.R. §1.78 to pending Provisional Patent Application No. 60/450,838 filed on **28 February 2003** entitled: *"Solid state phase change tiles for use in passive solar applications."*

The invention disclosed herein was made with United States government support awarded by the Department of Energy under contract number DE-FC26-00NT40999

Enclosed please find:

- ☒ A Declaration and Power of Attorney (*Executed* - 2 pages)  
☒ 4 sheet(s) of      Formal ☒ Informal drawings (FIGs. *numbered 1 - 8* )  
☒ 27 pages of specification, 4 pages claims (16 claims), and 1 page ABSTRACT  
☒ A return postcard  
☐ [no] Invention Disclosure Statement and PTO Form 1449, along with copies of background refs listed <none>  
☒ An Assignment of Invention Before Patent with cover sheet (+ Fee authorization) for RECORDING <YES>  
☐ <no> ATTACHMENT A - ... (none)  
☒ The filing fee is calculated as shown below (reflecting slight fee \*\*increases as of 1-Oct-03):

FOR	NUMBER FILED	NUMBER EXTRA	RATE	CALCULATIONS
Total Claims	<u>16</u> - 20 =	0	x \$18 ( 9) =	\$0.00
Independent Claims	<u>3</u> - 3 =	0	x **\$86 (43) =	\$0.00
Multiple dependent claim(s) (if applicable)			+ **\$290 (145) =	\$0.00
			** Basic Fee (Small Entity)	\$385.00
			<b>TOTAL</b>	<b>\$385.00</b>

- ☒ **Applicants and Assignee, University of Colorado Research Foundation, claim SMALL ENTITY STATUS** as *persons* 37 CFR 1.27(a)(1), and assignee as *Nonprofit Organization* under 37 CFR 1.27(a)(3).  
☒ The Commissioner is hereby authorized to charge the \$ **385.<sup>00</sup>** filing fee along with any additional fees associated with this communication, including patent application filing fees and processing fees under 37 CFR §1.16 and 1.17, or credit any overpayment to **Macheledt Bales LLP: Deposit Account No. 02-0725.**

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Respectfully submitted,

*Jean M. Macheledt*  
 Jean M. Macheledt, Attorney for Applicants  
 Registration Number 33,956  
 Date: **Monday, 1<sup>st</sup> day of March 2004**

Express Mail mailing label number: **ER 391 717 180 US** Date of Deposit: **01 March 2004 (Monday)**

I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service, with sufficient postage, under 37 C.F.R. 1.10 on the date indicated above and is addressed to:

Mail Stop: NEW Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Jean M Macheledt  
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*Jean M. Macheledt*  
 Signature